

### Amendments to the Claims:

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application. Material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~ and/or in [[double brackets]] if the deletion would be difficult to see.

### **LISTING OF CLAIMS:**

1-51. (Cancelled)

52. (Currently amended) A method for operating an internal combustion engine with electrically actuated valves, the method comprising:

operating the engine in a first mode with a first number of cylinders deactivated, and a first number of valves operating in each active cylinder to carry out combustion in the active cylinders; and

operating the engine in a second mode with a second number of cylinders deactivated, and a second number of valves operating in each active cylinder to carry out combustion in the active cylinders, where said first number of cylinders deactivated is different from said second number of cylinders deactivated, and said first number of valves operating is different from said second number of valves operating, and where said first number of cylinders is less than said second number of cylinders, and said first number of valves is greater than said second number of valves, where plural intake valves of the cylinders are coupled to a common intake manifold, **and where during the first mode, valve operation includes dual intake dual exhaust valve operation**

**during the cycle, and during the second mode, valve operation includes alternating intake alternating exhaust valve operation.**

53-59. (Cancelled)

60. (Previously presented) A method for operating an internal combustion engine with electrically actuated exhaust valves communicating with an exhaust system via an exhaust manifold, the method comprising:

operating the engine in a first mode with a first number and pattern of active exhaust valves operating per each active cylinder to carry out combustion in the active cylinders;

operating the engine in a second mode with a number of cylinders deactivated, and a second number and pattern of active exhaust valves per each active cylinder operating to carry out combustion in the active cylinders, where said first number or pattern of valves operating is different from said second number or pattern of valves operating, wherein the first number is two and the second number is one, and where during the second mode, active cylinders carry out combustion where different valves alternately operate as the one active exhaust valve.

61. (Cancelled)

62. (Previously presented) The method of claim 60 wherein the first number is two and the second number is one, and where during the second mode, active cylinders carry out combustion where the same valve operates as the one active exhaust valve during a plurality of cycles.

63. (Cancelled)

64. (Cancelled)

65. (Previously presented) A method for operating an internal combustion engine with electrically actuated exhaust valves communicating with an exhaust system via an exhaust manifold, the method comprising:

operating the engine in a first mode with a first number and pattern of active exhaust valves operating per each active cylinder to carry out combustion in the active cylinders;

operating the engine in a second mode with a number of cylinders deactivated, and a second number and pattern of active exhaust valves per each active cylinder operating to carry out combustion in the active cylinders, where said first number or pattern of valves operating is different from said second number or pattern of valves operating, wherein the first number is two and the second number is one, and where during the second mode, active cylinders carry out combustion where the same valve operates as the one active exhaust valve during a plurality of cycles.